



*Commonwealth of Virginia*

*VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY*

SOUTHWEST REGIONAL OFFICE  
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[www.deq.virginia.gov](http://www.deq.virginia.gov)

Matthew J. Strickler  
Secretary of Natural Resources

David K. Paylor  
Director  
(804) 698-4000

Jeffrey Hurst  
Regional Director

August 25, 2020

Ms. Lydia Sinemus  
Corporate Director, HR & EHS  
Strongwell Corporation  
400 Commonwealth Avenue  
Bristol, Virginia 24201

Location: Washington County  
Registration No.: 11207

Dear Ms. Sinemus:

Attached is a renewal Title V permit to operate your facility pursuant to 9VAC5 Chapter 80 Article 1 of the Virginia Regulations for the Control and Abatement of Air Pollution. The attached permit will be effective as of August 17, 2020.

In the course of evaluating the application and arriving at a final decision to issue this permit, the Department of Environmental Quality (DEQ) deemed the application complete on February 26, 2020 and solicited written public comments by placing a newspaper advertisement in the *Bristol Herald Courier* on June 5, 2020. The thirty-day required comment period, provided for in 9VAC5-80-270 expired on July 6, 2020 with no comments having been received.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to operate shall not relieve Strongwell Corporation of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

Ms. Lydia Sinemus

August 25, 2020

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As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

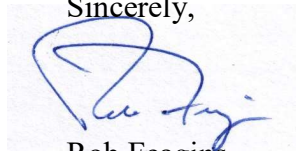
To review any federal rules referenced below or in the attached permit, the US Government Publishing Office maintains the text of these rules at [www.ecfr.gov](http://www.ecfr.gov), Title 40, Part 63:

MACT WWW  
MACT ZZZZ

Compliance with these regulations is required by the terms of this permit. Operation of the emergency engines for more than 500 hours per year may require a permit under 9VAC5-80, Article 6.

If you have any questions concerning this permit, please contact me at 276-676-4835.

Sincerely,



Rob Feagins  
Air Permit Manager

GRF/ECM/SWRO11207VA.docx

Attachment: Permit

cc: Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)  
Associate Director, Air Permits Branch, Air & Radiation Division (3AD10), U.S. EPA, Region III (electronic file submission)



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Federal Operating Permit  
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name: Strongwell Corporation  
Facility Name: Strongwell Highlands  
Facility Location: 26770 Newbanks Road, Abingdon, Virginia

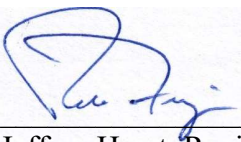
Registration Number: 11207 Permit Number: SWRO11207

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act

Effective Date: August 17, 2020

Expiration Date: August 16, 2025

  
Jeffrey Hurst, Regional Director

Signature Date: August 25, 2020

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## Facility Information

Permittee  
Strongwell Corporation  
P. O. Box 580  
400 Commonwealth Avenue  
Bristol, Virginia 24203-0580

Responsible Official  
Lydia Sinemus  
Corporate Director, HR & EHS

Facility  
Strongwell-Highlands  
26770 Newbanks Road  
Abingdon, Virginia 24210

Contact Person  
Lydia Sinemus  
Corporate Director, HR & EHS  
276-645-8091

County-Plant Identification Number: 51-191-00165

Facility Description: NAICS 326199 (SIC 3089) - Strongwell Corporation manufactures fiberglass reinforced plastics using a pultrusion process at the Highlands facility. The pultrusion process involves drawing reinforced fibers through a liquid resin mixture. The saturated fibers are then pulled through forming guides and into a heated die. The resin chemically reacts in the die creating a solid, hard finished part as the material exits. The profile produced is then cut to length. A urethane coating may be applied by hand to pultruded parts depending on customer specifications. Pultrusion resins have two basic components: base resin and monomers. Emissions of volatile organic compounds (VOC) and hazardous air pollutants (HAP) result from the coating of pultruded parts and evaporation of monomers. Emissions of particulate matter (PM) result from dry ingredient mixing and cutting the profile to length.

## Emission Units

Process Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description *	PCD ID	Pollutant Controlled	Applicable Permit Date
PM25	----	OEM, Inc.	50 lb/hr	Micro Air Dust Collector	DC-WC-5	Particulate	----
PM38	DC-3	Strongwell single/dual cavity model;	150 lb/hr	Dust Hog Cartridge Dust Collector	DC-WC-3	Particulate	May 22, 2015
PM45	DC-2	Strongwell, 4-cavity model;	300 lb/hr	Farr/Tenkay dust collector	DC-WC-2	Particulate	May 22, 2015
PM49	DC-1	Strongwell, 4-cavity model;	300 lb/hr	Donaldson DF0 3-24	DC-WC-1	Particulate	May 22, 2015
PM57	DC-2	Strongwell single/dual cavity model;	150 lb/hr	Farr/Tenkay dust collector	DC-WC-2	Particulate	May 22, 2015
PM60 and PM61	DC-1	Strongwell Single/Multiple Cavity	450 lb/hr each	Donaldson DFo 3-24	DC-WC-1	Particulate	May 22, 2015
PM91	DC-2	Strongwell Single/Multiple Cavity	750 lb/hr	Farr/Tenkay dust collector	DC-WC-2	Particulate	May 22, 2015
CBS-1	DC-2	Cut-back Radial Arm Saw	455 lb/hr	Farr/Tenkay dust collector	DC-WC-2	Particulate	----
MR-1	DC-4	Resin Mixing Room	6 T/hr	Farr Cartridge Dust Collector	DC-WC-4	Particulate	----
CAS-1	VS-CAS-1	Clay Aggregate Storage	3,000 cubic feet	Modu-Kleen Bin Vent filter series 669	AS-1	Particulate	May 22, 2015
DA-1	VS-DA-1	Dynamic Air Conveyor	6 T/hr	Donaldson DFO 2-2 & Modu Kleen Bin Vent filter series 669	DA-1	Particulate	May 22, 2015
T-WC1 – T-WC4	----	4 Bulk Storage Tanks	6,768 gallons, each	----	----	----	May 22, 2015
PT-1	----	Manual Surface Coating	0.568 gallons/hr	----	----	----	May 22, 2015

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description *</b>	<b>PCD ID</b>	<b>Pollutant Controlled</b>	<b>Applicable Permit Date</b>
EG-1	EG-1	Kohler generator with John Deere diesel engine – 1997 with 100 gallon tank	102 bhp	----	----	----	----
EG-2	EG-2	Olympian generator with Perkins diesel engine – 2004 with 147 gallon tank	61.9 bhp	----	----	----	----

\*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

## **Pultrusion Equipment Requirements – (PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91, and Cut Back Saw CBS-1)**

### **Limitations**

1. Pultrusion Equipment Requirements – PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 -The permittee shall operate the pultrusion equipment in compliance with all applicable National Emission Standards for Hazardous Air Pollutants, Subpart WWWW, National Emission Standards for Reinforced Plastic Composites Production, 40 CFR 63.5780 through 40 CFR 63.5935 and 40 CFR Part 63, Subpart A, General Provisions as identified by Tables 1 through 15 of Subpart WWWW.  
(9VAC5-80-110, 9VAC5-60-100 Subparts A and WWWW, 40 CFR 63.1 and 40 CFR 63.5805(b))
2. Pultrusion Equipment Requirements – PM38, PM45, PM49, PM57, PM60, PM61, PM91, CBS-1 - Particulate emissions from the pultrusion machines shall be controlled by dust collectors using fabric or paper filters. The dust collectors shall be provided with adequate access for inspection.  
(9VAC5-80-110 and Condition 4 of 05/22/15 NSR Permit)
3. Pultrusion Equipment Requirements – PM38, PM45, PM49, PM57, PM60, PM61, PM91 - The consumption of styrene resin mix shall not exceed 7,500 tons per year, calculated monthly as the sum of each consecutive 12-month period.  
(9VAC5-80-110 and Condition 10 of 05/22/15 NSR Permit)
4. Pultrusion Equipment Requirements – PM38, PM45, PM49, PM57, PM60, PM61, PM91 - The consumption of phenolic resin mix shall not exceed 600 tons per year, calculated monthly as the sum of each consecutive 12-month period.  
(9VAC5-80-110 and Condition 11 of 05/22/15 NSR Permit)
5. Pultrusion Equipment Requirements - PM38, PM45, PM49, PM57, PM60, PM61, PM91 - The pultrusion operations shall process no more than the following quantities of the listed materials or their equivalents:

Material	Lb/hr	Tons/year
Esperox 570P	8.40	25.8
t-Butyl Perbenzoate	2.10	6.5
Lupersol DDM-9	0.56	0.1
Dimethylaniline	0.04	0.01
PM Acetate Blend	80.00	50.0
M-1526 Inhibitor	2.00	1.3

(9VAC5-80-110 and Condition 12 of 05/22/15 NSR Permit)



6. Pultrusion Equipment Requirements - PM38, PM45, PM49, PM57, PM60, PM61, PM91 - Emissions from the operation and clean-up of the pultrusion machines shall not exceed the limits specified below:

Volatile Organic Compounds      61.0 lb/hr      81.62 tons/yr  
(9VAC5-50-260, 9VAC5-80-110 and Condition 14 of 05/22/15 NSR Permit)

7. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 - Emissions of total organic hazardous air pollutants (HAP) from pultrusion operations producing plastic composites using styrene-containing resin shall be reduced by an average of at least 60 weight percent for all pultrusion machines and lines combined. This condition applies at all times. The permittee shall use one or more of the following options to meet the 60 weight percent reduction requirement:
- a. Design, install, and operate wet area enclosures and resin drip collection systems on pultrusion machines that meet the following criteria:
    - i. The enclosure must cover and enclose the open resin bath and the forming area in which reinforcements are pre-wet or wet-out and moving toward the die(s). The surfaces of the enclosure must be closed except for openings to allow material to enter and exit the enclosure.
    - ii. For open bath pultrusion machines with a radio frequency pre-heat unit, the enclosure must extend from the beginning of the resin bath to within 12.5 inches or less of the entrance of the radio frequency pre-heat unit. If the stock that is within 12.5 inches or less of the entrance to the radio frequency pre-heat unit has any drip, it must be enclosed. The stock exiting the radio frequency pre-heat unit is not required to be in an enclosure if the stock has no drip between the exit of the radio frequency pre-heat unit to within 0.5 inches of the entrance of the die.
    - iii. For open bath pultrusion machines without a radio frequency pre-heat unit, the enclosure must extend from the beginning of the resin bath to within 0.5 inches or less of the die entrance.
    - iv. For pultrusion lines with pre-wet area(s) prior to direct die injection, no more than 12.5 inches of open wet stock is permitted between the entrance of the first pre-wet area and the entrance to the die. If the pre-wet stock has any drip, it must be enclosed.
    - v. The total open area of the enclosure must not exceed two times the cross sectional area of the puller window(s) and must comply with the following requirements:

- (1) All areas that are open need to be included in the total open area calculation with the exception of access panels, doors, and/or hatches that are part of the enclosure.
  - (2) The area that is displaced by entering reinforcement or exiting product is considered open.
  - (3) Areas that are covered by brush covers are considered closed.
- vi. Open areas for level control devices, monitoring devices, agitation shafts, and fill hoses must have no more than 1.0 inch clearance.
  - vii. The access panels, doors, and/or hatches that are part of the enclosure must close tightly. Damaged access panels, doors, and/or hatches that do not close tightly must be replaced.
  - viii. The enclosure may not be removed from the pultrusion line, and access panels, doors, and/or hatches that are part of the enclosure must remain closed whenever resin is in the bath, except for the time period discussed in item (ix) below.
  - ix. The maximum length of time the enclosure may be removed from the pultrusion line or the access panels, doors, and/or hatches and may be open, is 30 minutes per 8 hour shift, 45 minutes per 12 hour shift, or 90 minutes per day if the machine is operated for 24 hours in a day. The time restrictions do not apply if the open doors or panels do not cause the limit of two times the puller window area to be exceeded. Facilities may average the times that access panels, doors, and/or hatches are open across all operating lines. In that case the average must not exceed the times shown in this paragraph. All lines included in the average must have operated the entire time period being averaged.
  - x. No fans, blowers, and/or air lines may be allowed within the enclosure. The enclosure must not be ventilated.
- b. Use direct die injection pultrusion machines with resin drip collection systems that meet all the following criteria:
    - i. All the resin that is applied to the reinforcement is delivered directly to the die.
    - ii. No exposed resin is present, except at the face of the die.
    - iii. Resin drip is captured in a closed system and recycled back to the process.

- c. Use a preform injection system where liquid resin is injected to saturate reinforcements in an enclosed system containing one or more chambers with openings only large enough to admit reinforcements. Resin, which drips out of the chamber(s) during the process, shall be collected in closed piping or covered troughs and then into a covered reservoir for recycle. Resin storage vessels, reservoirs, transfer systems, and collection systems shall be covered or shielded from ambient air.
- d. Use any combination of options in paragraphs a through c of this condition in which different pultrusion lines comply with different options described in paragraphs a through c of this condition, and
  - i. Each individual pultrusion machine meets the 60 percent reduction requirement, or
  - ii. The weighted average reduction based on resin throughput of all machines combined is 60 percent. For purposes of the average percent reduction calculation, wet area enclosures reduce organic HAP emissions by 60 percent, and direct die injection and preform injection reduce organic HAP emissions by 90 percent.

(9VAC5-80-110, 9VAC5-60-100 Subpart WWW, 40 CFR 63.5805(b), 40 CFR 63.5830(b)–(e), and 40 CFR 63.5835(a))

- 8. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 – For pultrusion equipment manufacturing parts using styrene-containing resin with 1,000 or more reinforcements or the glass equivalent of 1,000 ends of 113 yield roving or more; and having a cross sectional area of 60 square inches or more, the permittee shall at all times:
  - a. Not allow vents from the building ventilation system, or local or portable fans to blow directly on or across the wet-out area(s),
  - b. Not permit point suction of ambient air in the wet-out area(s) unless that air is directed to a control device,
  - c. Use devices such as deflectors, baffles, and curtains when practical to reduce air flow velocity across the wet-out area(s),
  - d. Direct any compressed air exhausts away from resin and wet-out area(s),
  - e. Convey resin collected from drip-off pans or other devices to reservoirs, tanks, or sumps via covered troughs, pipes, or other covered conveyance that shields the resin from the ambient air,
  - f. Cover all reservoirs, tanks, sumps, or HAP-containing materials storage vessels except when they are being charged or filled, and

- g. Cover or shield from ambient air resin delivery systems to the wet-out area(s) from reservoirs, tanks, or sumps where practical.  
(9VAC5-80-110, 9VAC5-60-100 Subpart WWWW, 40 CFR 63.5805(b), 40 CFR 63.5835(a), 40 CFR 63.5900(a)(4), and Condition 6 of 05/22/15 NSR Permit)
9. Pultrusion Equipment Requirements – PM38, PM45, PM49, PM57, PM60, PM61, PM91 - Visible emissions from each fabric filter and/or dust collector exhaust shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9VAC5-80-110, 9VAC5-50-260, 9VAC5-50-20 and Condition 15 of 05/22/15 NSR Permit)
10. Pultrusion Equipment Requirements – PM25 -Visible emissions from the dust collector exhaust serving PM25 shall not exceed 20 percent opacity, except for one six-minute period not to exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9VAC5-80-110, 9VAC5-50-20, and 9VAC5-50-80)
11. Pultrusion Equipment Requirements – PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 -At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110, 9VAC5-50-20 F, 9VAC5-80-1180, and Condition 5 of 05/22/15 NSR Permit)
12. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 - For cleaning operations for reinforced plastic composites production equipment subject to 40 CFR Part 63, Subpart WWWW, cleaning solvents that contain HAP shall not be used, except that styrene may be used in closed systems, and organic HAP containing materials may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. The requirements of this condition do not apply to mold sealing and release agents or to mold stripping and cleaning. This condition applies at all times.  
(9VAC5-80-110, 9VAC5-60-100 Subpart WWWW, 40 CFR 63.5790(c), 40 CFR 63.5805(b) and 40 CFR 63.5835(a))

## Monitoring

13. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 – Emissions from the operation and cleanup of the pultrusion equipment shall be calculated using DEQ approved emission factors.  
(9VAC5-50-50 and 9VAC5-80-110)
14. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 – The permittee shall calculate the organic HAP emissions from the pultrusion machines, monthly as the sum of each consecutive 12-month period, and demonstrate compliance with the organic HAP reduction requirement in Condition 7 of this permit on a 12-month rolling average.  
(9VAC5-80-110, 9VAC5-60-100 Subpart WWW and 40 CFR 63.5900(a)(2))
15. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 - Visible emission observations shall be performed on each fabric filter and/or dust collector exhaust to the atmosphere at least once each day for a brief period of time to determine if the operating emissions units have visible emissions (does not include condensed water vapor/steam), unless a 40 CFR 60 Appendix A Method 9 visible emissions evaluation is performed on the emissions unit. If visible emissions are observed during the daily observations, then a visible emissions evaluation in accordance with 40 CFR 60, Appendix A, Method 9 shall be conducted on the unit with visible emissions. A Method 9 evaluation is not required if the visible emission condition is corrected as expeditiously as practicable such that no visible emissions are present and, the visible emission condition, cause and corrective measures taken are recorded. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable emissions requirement, the results of the observation and the name of the observer.  
(9VAC5-80-110, 9VAC5-50-20 and 9VAC5-80-110 K)
16. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91 - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:
  - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
  - b. Maintain an inventory of spare parts.
  - c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

(9VAC5-50-20 E, 9VAC5-80-110 and Condition 21 of 05/22/15 NSR Permit)

## **Recordkeeping**

- 17. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91, CBS-1 – The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:
  - a. Annual consumption of styrene resin mix in the pultrusion machines, calculated monthly as the sum of each consecutive 12-month period.
  - b. Annual consumption of phenolic resin mix in the pultrusion machines, calculated monthly as the sum of each consecutive 12-month period.
  - c. Monthly and annual hours of operation of the pultrusion machines. Annual hours of operation shall be calculated monthly as the sum of each consecutive 12-month period.
  - d. Monthly and annual consumption of resin mix materials in the pultrusion machines including additives, catalysts and solvents. Annual amounts shall be calculated monthly as the sum of each consecutive 12-month period.
  - e. Hourly consumption of resin mix materials in the pultrusion machines. Hourly amounts shall be calculated by dividing monthly consumption of resin mix materials in the pultrusion machines by monthly hours of operation of the pultrusion machines.
  - f. Emission factors used to calculate emissions from the pultrusion equipment.
  - g. All data, assumptions, and calculations used to determine organic HAP emissions factors for pultrusion equipment.
  - h. All times that doors or covers of wet area enclosures are open and there is resin present in the resin bath.
  - i. A copy of each notification and report submitted to comply with this permit or any applicable requirement.
  - j. A certified statement of compliance with the work practice requirements in Condition 7 of this permit.

- k. Organic HAP content of each resin.
- l. Visible emissions observations and evaluations.
- m. Operating procedures, scheduled and unscheduled maintenance of all air pollution control equipment based on the manufacturer's recommendations, at minimum.
- n. Air pollution control equipment operator training including the names of trainees, the date of training and the nature of the training.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 9VAC5-80-110, 9VAC5-60-100 Subpart WWWW, 40 CFR 63.5895(c) and (e), 40 CFR 63.5915, 40 CFR 63.5920, and Conditions 16 and 21 of 05/22/15 NSR Permit)

- 18. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91, CBS-1 – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventative measures taken and name of person generating the record. (9VAC5-20-180 J, 9VAC5-80-110, 9VAC5-80-1180 D, and Condition 22 of 05/22/15 NSR Permit)

## Testing

- 19. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91, CBS-1 - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the DEQ, test ports shall be provided at the appropriate locations. (9VAC5-80-110, 9VAC5-50-30, and Condition 7 of 05/22/15 NSR Permit)
- 20. Pultrusion Equipment Requirements - PM25, PM38, PM45, PM49, PM57, PM60, PM61, PM91, CBS-1 - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ. (9VAC5-80-110)

## **Clay and Resin Mixing and Storage Equipment Requirements – (MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4)**

### **Limitations**

21. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - The permittee shall operate resin mixing and storage equipment in compliance with all applicable National Emission Standards for Hazardous Air Pollutants, Subpart WWWW, National Emission Standards for Reinforced Plastic Composites Production, 40 CFR 63.5780 through 40 CFR 63.5935 and 40 CFR Part 63, Subpart A, General Provisions as identified by Tables 1 through 15 for Subpart WWWW. (9VAC5-80-110, 9VAC5-60-100 Subparts A and WWWW, 40 CFR 63.1 and 40 CFR 63.5805(b))
22. Clay and Resin Mixing and Storage Equipment Requirements – CAS-1 - Particulate emissions from pneumatic loading of the clay aggregate storage silo shall be controlled by fabric filtration or equivalent on the silo vents. The particulate control devices shall be provided with adequate access for inspection. (9VAC5-50-260, 9VAC5-80-1180, and Condition 2 of 05/22/15 NSR Permit)
23. Clay and Resin Mixing and Storage Equipment Requirements – DA-1 - Particulate emissions from the Dynamic Air pneumatic conveying system shall be controlled by fabric filtration, or equivalent. The particulate control devices shall be provided with adequate access for inspection. (9VAC5-80-110, 9VAC5-50-260, and Condition 3 of 05/22/15 NSR Permit)
24. Clay and Resin Mixing and Storage Equipment Requirements – DA-1 - The consumption of clay aggregate material shall not exceed 2,700 tons per year, calculated monthly as the sum of each consecutive 12-month period. (9VAC5-80-110, 9VAC5-50-260, and Condition 9 of 05/22/15 NSR Permit)
25. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - The permittee shall comply at all times with the following work practice standards for mixing and storing styrene-containing resins:
  - a. Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.
  - b. Close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.
  - c. Keep mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.



- d. Containers that store HAP-containing materials shall be kept closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

Continuous compliance will be demonstrated by meeting these work practice requirements. (9VAC5-80-110, 9VAC5-60-100 Subpart WWW, 40 CFR 63.5805(b), 40 CFR 63.5835(a), and 40 CFR 63.5900(a)(4))

26. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 – Visible emissions from each fabric filter and/or dust collector exhaust shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9VAC5-80-110, 9VAC5-50-260, 9VAC5-50-20 and Condition 15 of 05/22/15 NSR Permit)
27. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110, 9VAC5-50-20 F, 9VAC5-80-1180, and Condition 5 of 05/22/15 NSR Permit)
28. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - For cleaning operations for reinforced plastic composites production equipment subject to 40 CFR Part 63, Subpart WWW, cleaning solvents that contain HAP shall not be used, except that styrene may be used in closed systems, and organic HAP containing materials may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. The requirements of this condition do not apply to mold sealing and release agents or to mold stripping and cleaning. This condition applies at all times.  
(9VAC5-80-110, 9VAC5-60-100 Subpart WWW, 40 CFR 63.5790(c), 40 CFR 63.5805(b) and 40 CFR 63.5835(a))

## Monitoring

29. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - Visible emission observations shall be performed on each fabric filter and/or dust collector exhaust to the atmosphere at least once each day for a brief period of time to determine if the operating emissions units have visible emissions (does not include condensed water vapor/steam), unless a 40 CFR 60 Appendix A Method 9 visible emissions

evaluation is performed on the emissions unit. If visible emissions are observed during the daily observations, then a visible emissions evaluation in accordance with 40 CFR 60, Appendix A, Method 9 shall be conducted on the unit with visible emissions. A Method 9 evaluation is not required if the visible emission condition is corrected as expeditiously as practicable such that no visible emissions are present and, the visible emission condition, cause and corrective measures taken are recorded. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable emissions requirement, the results of the observation and the name of the observer.

(9VAC5-80-110, 9VAC5-50-20 and 9VAC5-80-110 K)

30. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:
- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
  - b. Maintain an inventory of spare parts.
  - c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
  - d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
- (9VAC5-50-20 E, 9VAC5-80-110 and Condition 21 of 05/22/15 NSR Permit)

### **Recordkeeping**

31. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:
- a. A certified statement of compliance with the work practice requirements in Condition 25 of this permit.
  - b. The annual consumption of clay aggregate material, calculated monthly as the sum of each consecutive 12-month period.

- c. Operating procedures, scheduled and unscheduled maintenance of all air pollution control equipment based on the manufacturer's recommendations, at minimum.
- d. Air pollution control equipment operator training including the names of trainees, the date of training and the nature of the training.
- e. A copy of each notification and report submitted to comply with this permit or any applicable requirement.
- f. Visible emissions observations and evaluations.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 9VAC5-80-110, 9VAC5-60-100 Subpart WWW, 40 CFR 63.5915, 40 CFR 63.5920 and Conditions 16 and 21 of 05/22/15 NSR Permit)

- 32. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventative measures taken and name of person generating the record. (9VAC5-20-180 J, 9VAC5-80-110, 9VAC5-80-1180 D, and Condition 22 of 05/22/15 NSR Permit)

## Testing

- 33. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the DEQ, test ports shall be provided at the appropriate locations. (9VAC5-80-110, 9VAC5-50-30, and Condition 7 of 05/22/15 NSR Permit)
- 34. Clay and Resin Mixing and Storage Equipment Requirements – MR-1, CAS-1, DA-1, and T-WC-1 – T-WC-4 - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ. (9VAC5-80-110)

## Manual Surface Coating Equipment Requirements – (PT-1)

### Limitations

35. Manual Surface Coating Equipment Requirements – PT-1 - Total combined throughput of TNEMEC Company, Inc. Endura-Shield Slate Gray, Endura-Shield Converter and Accelerator Urethane, and Carboline Company Carbothane 133 FC Part A and Urethane Converter 8800, or equivalent coatings to the manual surface coating operation shall not exceed 4,975 gallons per year, calculated monthly as the sum of each consecutive 12-month period.  
(9VAC5-80-1180 and Condition 8 of 05/22/15 NSR Permit)
36. Manual Surface Coating Equipment Requirements – PT-1 - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110, 9VAC5-50-20 F, 9VAC5-80-1180, and Condition 5 of 05/22/15 NSR Permit)
37. Manual Surface Coating Equipment Requirements – PT-1 - Emissions from the manual surface coating operation shall not exceed the limits specified below:
- Volatile Organic Compounds (VOC)    3.82 lbs/hr    16.73 tons/yr
- These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 35.  
(9VAC5-80-1180, 9VAC5-50-260, and Condition 13 of 05/22/15 NSR Permit)
38. Manual Surface Coating Equipment Requirements – PT-1 - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110, 9VAC5-50-20 F, 9VAC5-80-1180, and Condition 5 of 05/22/15 NSR Permit)

## **Recordkeeping**

39. Manual Surface Coating Equipment Requirements – PT-1 - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to, annual throughput of coatings to the manual surface coating operation, calculated monthly as the sum of each consecutive twelve (12) month period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-50-50, 9VAC5-80-110 and Condition 16 of 05/22/15 NSR Permit)

## **Testing**

40. Manual Surface Coating Equipment Requirements – PT-1 - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the DEQ, test ports shall be provided at the appropriate locations.  
(9VAC5-80-110, 9VAC5-50-30, and Condition 7 of 05/22/15 NSR Permit)
41. Manual Surface Coating Equipment Requirements – PT-1 - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.  
(9VAC5-80-110)

## **Emergency Generator Requirements - (EG-1 & EG-2)**

### **Limitations**

42. Emergency Generator Requirements – EG-1 & EG-2 - In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited. The permittee shall operate the emergency generator according to the requirements below:
- a. There is no time limit on the use of an emergency stationary RICE in emergency situations.
  - b. The emergency stationary RICE may be operated as described by this condition for any combination of the purposes specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (c) counts as part of the 100 hours per calendar year.

The emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

- c. Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.  
(9VAC5-80-110 and 40 CFR 63.6640(f))

- 43. Emergency Generator Requirements – EG-1 & EG-2 - The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.  
(9VAC5-80-110 and 40 CFR 63.6625(h))

- 44. Emergency Generator Requirements – EG-1 & EG-2 - The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2c of 40 CFR 63, Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c. The analysis program must, at a minimum, analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If none of these condemning limits are exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.  
(9VAC5-80-110 and 40 CFR 63.6625(i))

45. Emergency Generator Requirements – EG-1 & EG-2 - Visible emissions from the engine shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.  
(9VAC5-80-110 and 9VAC5-50-80)
46. Emergency Generator Requirements – EG-1 & EG-2 - The permittee shall comply with the following work practices for the emergency engine:
- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and,
  - c. Inspect all hoses and belts every 500 hours of operation, or annually, whichever comes first, and replace as necessary.  
(9VAC5-80-110, 40 CFR 63.6602, and Table 2c of 40 CFR 63, Subpart ZZZZ)
47. Emergency Generator Requirements – EG-1 & EG-2 - The permittee shall operate and maintain the engine and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions. These measures shall include, but not be limited to:
- a. Operate and maintain of the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or,
  - b. Develop and follow an alternative maintenance plan that must provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.  
(9VAC5-80-110 40 CFR 63.6605, 63.6625(e), 63.6640, & 63.6655 and Table 6 of 40 CFR 63, Subpart ZZZZ)

### **Monitoring**

48. Emergency Generator Requirements – EG-1 & EG-2 - The permittee shall install a non-resettable hour meter on emergency engine Ref. EG-1, if one is not already installed.  
(9VAC5-80-110 and 40 CFR 63.6625(f))

### **Recordkeeping**

49. Emergency Generator Requirements – EG-1 & EG-2 - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Southwest Regional Office. These records shall include, but are not limited to:

- a. Records of the occurrence and duration of each malfunction of operation or of monitoring equipment, and the corrective actions taken.
- b. Records of all required maintenance performed on the monitoring equipment, and a copy of the maintenance plan.
- c. Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- d. Records of hours of operation of each engine, and hours spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation.
- e. Report all deviations from operating limits as part of the semiannual monitoring report of Condition 58 of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110, 40 CFR 63.6640(b), 40 CFR 63.6650(f), and 40 CFR 63.6655)

### **Testing**

- 50. Emergency Generator Requirements – EG-1 & EG-2 - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the DEQ, test ports shall be provided at the appropriate locations. (9VAC5-80-110 and 9VAC5-50-30)
- 51. Emergency Generator Requirements – EG-1 & EG-2 - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ. (9VAC5-80-110)

### **Insignificant Emission Units**

- 52. Insignificant Emission Units - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:



<b>Emission Unit No.</b>	<b>Emission Unit Description</b>	<b>Citation</b>	<b>Pollutant(s) Emitted (9VAC5-80-720B)</b>	<b>Rated Capacity (9VAC5-80-720C)</b>
SF-1	Vitap hole drilling machine	9VAC5-80-720 B.1	Particulate	

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110. (9VAC5-80-110)

### Permit Shield & Inapplicable Requirements

53. Permit Shield & Inapplicable Requirements - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

<b>Citation</b>	<b>Title of Citation</b>	<b>Description of Applicability</b>
40 CFR Part 60, Subpart VVV and 9VAC5-50-410	Standards of Performance for Polymeric Coating of Supporting Substrates Facilities	Each coating operation and any onsite coating mix preparation equipment used to prepare coatings for the polymeric coating of supporting substrates.
40 CFR Part 63, Subpart PPPP and 9VAC5-60-90	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products	Surface coating of plastic parts where coatings contain HAPs.
40 CFR Part 60, Subpart IIII and 9VAC5-50-410	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Applies to owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006, and are not fire pump engines.
9VAC5-40-260	Existing Stationary Source Emission Standards for General Process Operations - Standard for Particulate Matter	Each process operation, each process gas stream and each combustion installation.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean

Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.  
(9VAC5-80-110 and 9VAC5-80-140)

## **General Conditions**

54. General Conditions - Federal Enforceability - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9VAC5-80-110)
55. General Conditions - Permit Expiration
- a. This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
  - b. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
  - c. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.
  - d. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.
  - e. If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

- f. The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.  
(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)
- 56. General Conditions - Recordkeeping and Reporting - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
  - a. The date, place as defined in the permit, and time of sampling or measurements;
  - b. The date(s) analyses were performed;
  - c. The company or entity that performed the analyses;
  - d. The analytical techniques or methods used;
  - e. The results of such analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.  
(9VAC5-80-110)
- 57. General Conditions - Recordkeeping and Reporting - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.  
(9VAC5-80-110)
- 58. General Conditions - Recordkeeping and Reporting - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. The report shall also be submitted electronically to EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) using the appropriate electronic forms. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
  - a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
  - b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
    - i. Exceedances of emissions limitations or operational restrictions;

- ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring or periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
  - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semiannual reporting period."  
(9VAC5-80-110, 40CFR63.5900(b), 40 CFR63.5910, 40 CFR63.6640(b), and 40 CFR63.6650(f))
59. General Conditions - Annual Compliance Certification - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
  - b. The identification of each term or condition of the permit that is the basis of the certification;
  - c. The compliance status;
  - d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
  - e. Consistent with subsection 9VAC5-80-110, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
  - f. Such other facts as the permit may require to determine the compliance status of the source; and

- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3\_APD\_Permits@epa.gov  
(9VAC5-80-110)

60. General Conditions - Permit Deviation Reporting - The permittee shall notify the Director, Southwest Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semiannual compliance monitoring report pursuant to Condition 58 of this permit.  
(9VAC5-80-110 F. 2)
61. General Conditions - Failure/Malfunction Reporting - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall no later than four daytime business hours after the malfunction is discovered, notify the Director, Southwest Regional Office such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Southwest Regional Office.  
(9VAC5-80-110 and 9VAC5-20-180)
62. General Conditions - Severability - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9VAC5-80-110)
63. General Conditions - Duty to Comply - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9VAC5-80-110)
64. General Conditions - Need to Halt or Reduce Activity not a Defense - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9VAC5-80-110)

65. General Conditions - Permit Modification - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9VAC80-110, 9VAC5-80-190, and 9VAC5-80-260)
66. General Conditions - Property Rights - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9VAC5-80-110)
67. General Conditions - Duty to Submit Information - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9VAC5-80-110)
68. General Conditions - Duty to Submit Information - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.  
(9VAC5-80-110)
69. General Conditions - Duty to Pay Permit Fees - The owner of any source for which a permit was issued under 9VAC5-80-50 through 9VAC5-80-300 shall pay annual emissions fees, as applicable, consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 and annual maintenance fees, as applicable, consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350.  
(9VAC5-80-110, 9VAC5-80-310 et seq., and 9VAC5-80-2310 et seq.)
70. General Conditions - Fugitive Dust Emission Standards - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
  - a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
  - d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
  - e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.  
(9VAC5-80-110 and 9VAC5-50-90)
71. General Conditions - Startup, Shutdown, and Malfunction - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.  
(9VAC5-80-110 and 9VAC5-50-20 E)
72. General Conditions - Alternative Operating Scenarios - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.  
(9VAC5-80-110)
73. General Conditions - Inspection and Entry Requirements - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
  - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
  - d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.  
(9VAC5-80-110)
74. General Conditions - Reopening for Cause - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:
- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
  - b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
  - c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.  
(9VAC5-80-110)
75. General Conditions - Permit Availability - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.  
(9VAC5-80-110 and 9VAC5-80-150)
76. General Conditions - Transfer of Permits
- a. No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.
  - b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.



- c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.  
(9VAC5-80-110 and 9VAC5-80-160)
77. General Conditions - Permit Revocation or Termination for Cause - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9VAC5-80-110, 9VAC5-80-190 C, and 9VAC5-80-260)
78. General Conditions - Duty to Supplement or Correct Application - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.  
(9VAC5-80-110 and 9VAC5-80-80 E)
79. General Conditions - Stratospheric Ozone Protection - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.  
(9VAC5-80-110 and 40 CFR Part 82)
80. General Conditions - Asbestos Requirements - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).  
(9VAC5-60-70 and 9VAC5-80-110)
81. General Conditions - Accidental Release Prevention - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(9VAC5-80-110 and 40 CFR Part 68)

82. General Conditions - Changes to Permits for Emissions Trading - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.  
(9VAC5-80-110)
83. General Conditions - Emissions Trading - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.
  - b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
  - c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.  
(9VAC5-80-110)